

AF \$1638  
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SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
Patent Application  
Docket No. CIB-T105X  
Serial No. 09/129,298

June 30, 2004

David Saliwanchik

David R. Saliwanchik, Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Charles Arntzen, Peter B. Kipp, Ramesh Kumar, Gregory D. May  
Serial No. : 09/129,298  
Filed : August 5, 1998  
Art Unit : 1638  
Conf. No. : 4312  
For : Use of Mixed Duplex Oligonucleotides to Effect Localized Genetic Changes in Plants

Box A.F.  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.56, 1.97, AND 1.98

Sir:

In accordance with 37 C.F.R. §1.56, the references on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

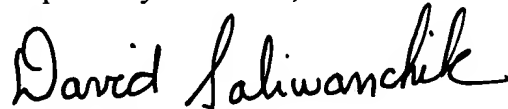
The undersigned hereby certifies that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. The applicants are also enclosing a copy of a Supplemental European Search Report.

This information is being submitted after the mailing of a final action. Please charge the fee of \$180.00 to deposit account 19-0065.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,



David R. Saliwanchik

Patent Attorney

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Phone No.: 352-375-8100

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DRS/lj

Attachments: Form PTO/SB/08A  
Copies of references cited  
Copy of International Search Report

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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	09/129,298
Filing Date	August 5, 1998
First Named Inventor	Charles Arntzen
Group Art Unit	1638
Examiner Name	David H. Kruse
Attorney Docket Number	CIB-T105X

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	U1					
	U2					
	U3					
	U4					
	U5					
	U6					
	U7					
	U8					
	U9					
	U10					
	U11					
	U12					
	U13					
	U14					

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	F1		WO 95/15972 A1		Thomas Jefferson University	06-15-1995	ALL	
	F2		WO 97/48714 A1		Thomas Jefferson University	12-24-1997	ALL	
	F3		WO 98/54330 A1		Zeneca Limited	12-03-1998	ALL	
	F4		WO 99/25853 A1		Pioneer Hi-Bred International, Inc.	05-27-1999	ALL	
	F5		WO 99/58702 A1		Kimeragen, Inc.	11-18-1999	ALL	
	F6							
	F7							
	F8							

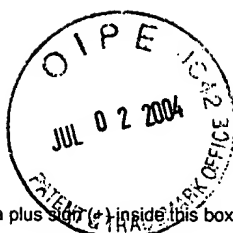
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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First Named Inventor	Charles Arntzen
Group Art Unit	1638
Examiner Name	David H. Kruse
Attorney Docket Number	CIB-T105X

Sheet 2 of 2

**OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	BEETHAM, P. R., KIPP, P. B., SAWYCKY, X. L., ARNTZEN, C. J., MAY, G. D. (July 1999) "A tool for functional plant genomics: Chimeric RNA/DNA oligonucleotides cause <i>in vivo</i> gene-specific mutations" <i>Proc. Natl. Acad. Sci. USA</i> 96:8774-8778.	
	R2	COLE-STRAUSS, A., YOON, K., XIANG, Y., BYRNE, B. C., RICE, M. C., GRYN, J., HOLLOMAN, W. K., KMEC, E. B. (September 1996) "Correction of the Mutation Responsible for Sickle Cell Anemia by an RNA-DNA Oligonucleotide" <i>Science</i> 273: 1386-1389.	
	R3	HOLMES, JR. J., CLARK, S., MODRIC, P. (August 1990) "Strand-specific mismatch correction in nuclear extracts of human and <i>Drosophila melanogaster</i> cell lines" <i>Proc. Natl. Acad. Sci. USA</i> 87: 5837-5841.	
	R4	KMEC, E. B. (June 1995) "Genetic manipulation in mammalian cells using an RNA/DNA chimeric oligonucleotide" <i>Advanced Drug Delivery Reviews</i>	
	R5	ZHU, T., PETERSON, D. J., TAGLIANI, L., ST. CLAIR, G., BASZCZYNSKI, C. L., BOWEN, B. (July 1999) "Targeted manipulation of maize genes <i>in vivo</i> using chimeric RNA/DNA oligonucleotides" <i>Proc. Natl. Acad. Sci. USA</i> 96: 8768-8773.	
	R6		
	R7		
	R8		
	R9		
	R10		
	R11		
	R12		
	R13		

Examiner Signature		Date Considered	
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